New Module News

6206
MA, PC, IR FLIP-FLOPS

6/17/64

Non-Catalog ($440.00) Avail. Now.

The 6206 is used in the control section of the PDP-6. It contains one bit each of the Program Counter, Instruction Register, and Memory Address registers and gating circuits for each bit. The module contains 3 buffered 10 mc. flip-flops and associated gating circuitry. Two of the flops can generate a carry pulse. Each flop has a direct clear input, and also a gated set input or a normal set input or both.
Double length board. Two connectors: front 22 pins, back 18 pins.
Frequency Limit: 10 mc.
Maximum delay for output fall: 70 nanoseconds.
Maximum delay for output rise: 50 nanoseconds.

INPUTS

Program Counter: Direct Clear- Pin RE - Pos. pulse from P.A.
Gated Set- Pin RC - Neg. pulse from P.A.
Gated with MA (1).
Increment input- Pin E - Neg. pulse.

Instruction Register: Direct Clear- Pin RS or RR - Pos. pulse from P.A.
Normal Set- Pin X - Pos. pulse from collector of inver.
Gated Set- Pin Y - Neg. level input.
Pin RU or RT - Neg. Pulse from P.A.

Memory Address: Direct Clear- Pin RH - Pos. pulse from P.A.
Normal Set- Pin L - Pos. pulse from inverter.

Increment input- Pin P = Neg. pulse.

Gated Set- Pin RM - Neg. pulse from P.A.
Pin R - Neg. level.

Pin RP - Neg. pulse from P.A.
Gated with PC(0)

Pin RK - Neg. pulse from PAA.
Gated with $\overline{\text{MAS(1)}}$.

Level input- Pin J - input to MA gated set & MAS$_i$=MA$_i$ gat

OUTPUTS

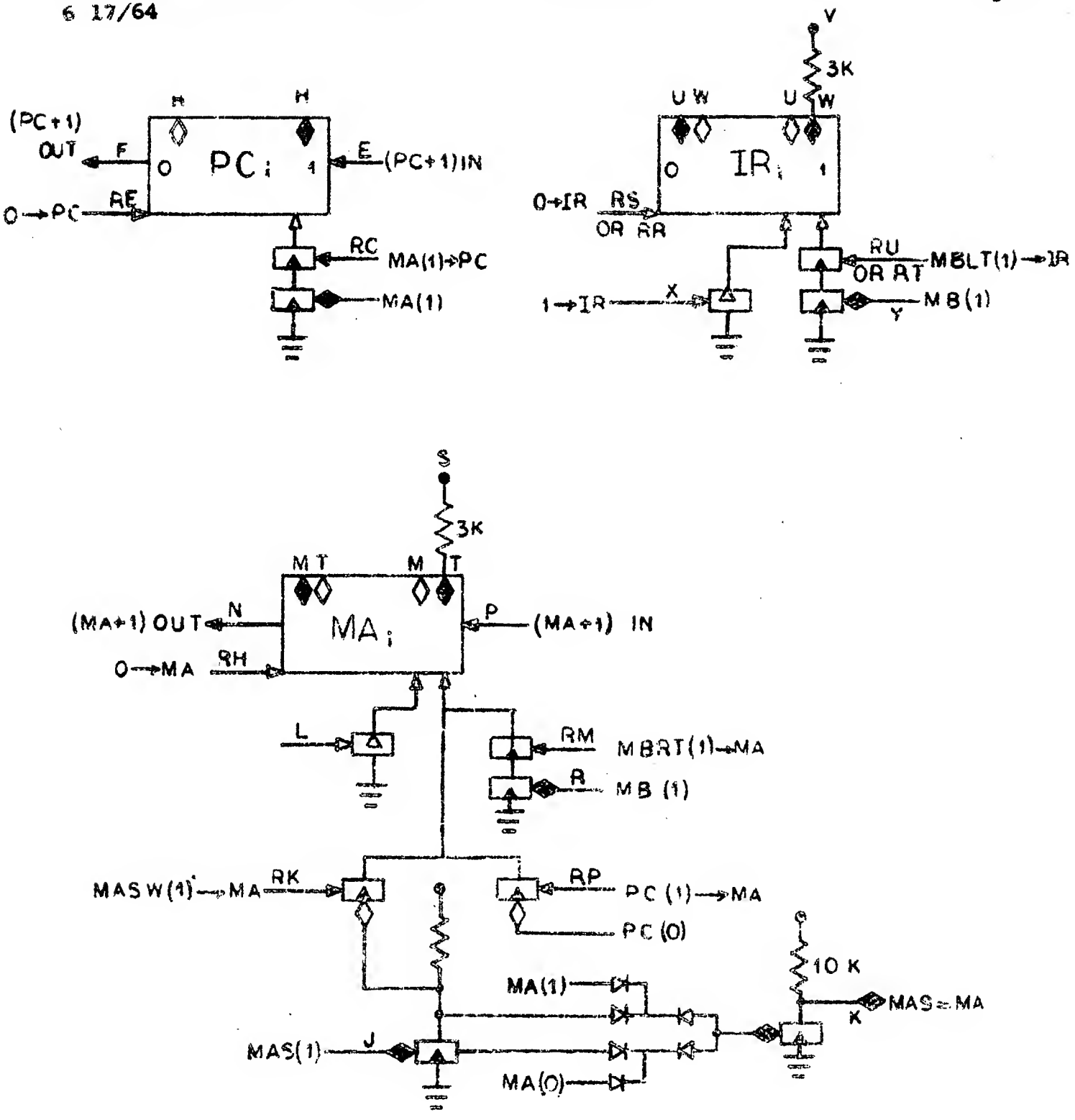
Program Counter: PC(1) - Pin H
Carry pulse- Pin F.

Instruction Register: IR(1) - Pin W - Bus driver output.
IR(0) - Pin U - Bus driver output.

Indicator Driver:- Pin V

Memory Address: MA(1) - Pin T
MA(0) - Pin M
Carry Pulse - Pin N
MA$_i$= MAS$_i$ - Pin K.

POWER -15 volts/300 ma. +10 volts(A)/3.0 ma. +10 volts(B)/140 ma


H
H
(PC+1) OUT
F
0
PC;
1
E
(PC+1)IN
0→PC
RE
RC
MA(1)→PC
MA(1)
V
3K
U W
U
W
0
IR;
1
0→IR
RS
OR RR
RU
OR RT
MBLT(1)→IR
1→IR
X
Y
MB(1)
S
3K
M T
M
T
(MA+1) OUT
N
MA;
P
(MA+1) IN
0→MA
RH
L
RM
MBRT(1)→MA
R
MB (1)
MASW(1)→MA
RK
RP
PC (1)→MA
PC (0)
10 K
MA(1)
MAS=MA
K
MAS(1)
J
MA(0)